

Converting Colors

XYZ(33.4173, 34.4704, 6.8441)

Have a look what the booklet for
XYZ(33.4173, 34.4704, 6.8441)
contains.

XYZ(33.5734, 34.6655, 6.8411)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.5734, 34.6655,
6.8411)**

Conversions

Conversions Part 1

Format	Color
Hex	BF9B27
RGB	191, 155, 39
RGB Percent	75%, 61%, 15%
CMY	0.2510, 0.3921, 0.8470
CMYK	0.00, 0.19, 0.80, 0.25
HSL	46°, 66%, 45%
HSV	46°, 80%, 75%
XYZ	33.5734, 34.6655, 6.8411
YIQ	152.5400, 58.6920, -28.4440

Conversions

Conversions Part 2

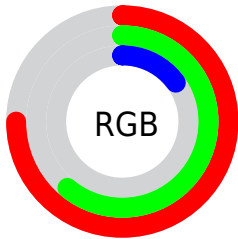
Format	Color
RYB	86, 191, 39
Decimal	12557095
CIELab	65.49, 2.21, 60.99
CIELCh	65, 61.026, 87.928
Yxy	34.6655, 0.4472, 0.4617
Android (android.graphics.Color)	4290747175 (0xFFBF9B27)
YUV	152.5400, -55.9752, 33.7294
Hunter-Lab	58.8774, -1.2502, 34.3252

Details

The XYZ color **33.5734, 34.6655, 6.8411** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **12.7568, 9.2251, 50.3981**, and the grayscale version is **30.2967, 31.8745, 34.7114**.

A 20% lighter version of the original color is **64.6045, 66.9183, 20.1012**, and **14.6232, 14.8872, 2.1028** is the 20% darker color. If you saturate the color by 10%, you get **32.5945, 33.0933, 5.3271**, and if you desaturate by 10%, it is **34.7413, 36.3612, 9.2044**.

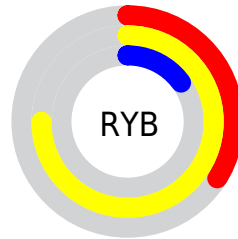
Distribution



Red (75%)

Green (61%)

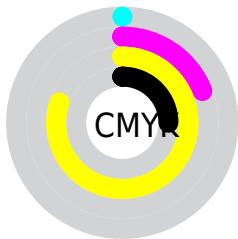
Blue (15%)



Red (34%)

Yellow (75%)

Blue (15%)

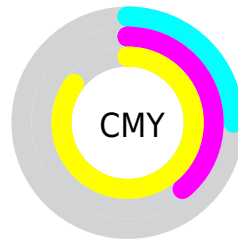


Cyan (0%)

Magenta (19%)

Yellow (80%)

Black (25%)



Cyan (25%)


Magenta (39%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.5734, 34.6655, 6.8411 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 33.5734, 34.6655, 6.8411 by changing the saturation by 10% instead.


 33.5734, 34.6655,
6.8411


 33.5734, 34.6655,
6.8411

309.8451,
323.0894, 175.9173

 22.7274, 23.4053,
3.2860


 64.6184, 66.9672,
20.1602

 14.5119, 14.8931,
1.2425


 85.5482, 88.7776,
30.7613

 8.5617, 8.7444,
0.0139


 110.5699,
114.8735, 44.5481

 4.5112, 4.5748,
0.0000

 140.0489,
145.6393, 61.9393

 1.9952, 2.0000,
0.0000

 174.3505,
181.4594, 83.3532

 0.6313, 0.6075,
0.0000

 213.8402,

 0.0000, 0.0000,

222.7181, 109.2085

0.0000

258.8833,
269.8000, 139.9237

■ 33.5734, 34.6655,
6.8411

■ 33.5734, 34.6655,
6.8411

■ 32.5945, 33.0933,
5.3271

■ 34.7413, 36.3612,
9.2044

■ 31.7627, 31.6231,
4.4529

■ 36.1172, 38.1843,
12.5259

■ 31.7289, 31.5627,
4.4199

■ 37.7200, 40.1443,
16.9006

■ 39.5659, 42.2480,
22.4114

■ 41.6691, 44.5017,
29.1328

■ 44.0430, 46.9111,
37.1329

■ 46.6997, 49.4815,
46.4750

■ 49.6508, 52.2180,
57.2179

■ 52.9069, 55.1252,
69.4170

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.9348, 34.6655, 9.5250



33.5734, 34.6655, 6.8411



25.5417, 34.6655, 8.8323

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



33.5734, 34.6655, 6.8411



19.9848, 34.6655, 65.7852



49.7491, 34.6655, 70.3479

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



33.5734, 34.6655, 6.8411



12.7568, 9.2251, 50.3981

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



41.6644, 34.6655, 100.0126



33.5734, 34.6655, 6.8411



24.6448, 34.6655, 96.6457

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



33.5734, 34.6655, 6.8411



18.5933, 34.6655, 35.9942



32.3314, 34.6655, 111.3208



53.2637, 34.6655, 39.5513

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



33.5734, 34.6655, 6.8411



21.7738, 34.6655, 13.4494



32.3314, 34.6655, 111.3208



47.4116, 34.6655, 81.2247

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



33.5742, 34.6672, 6.8418



76.7785, 81.9113, 59.3328



23.5511, 13.0635, 8.3021



16.5294, 17.6487, 11.9238



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.5742, 34.6672, 6.8418



57.3344, 57.4343, 8.4238



32.1340, 44.1802, 8.7539



10.1256, 10.7271, 10.1135



20.9163, 20.8715, 2.9262



0.8666, 0.9121, 0.1304

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



12.7568, 9.2251, 50.3981



19.0674, 10.9539, 89.3885



13.1904, 6.7909, 49.9054



9.1950, 9.5824, 12.0372



6.8555, 3.8228, 32.7694



0.3207, 0.2541, 1.3010

Previews

White Background



This preview shows how the XYZ color 33.5734, 34.6655, 6.8411 looks on a white background.

Color Contrast Check

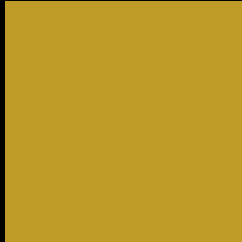
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 33.5734, 34.6655, 6.8411 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.5734, 34.6655, 6.8411

Background



This preview shows how black text looks on a background with the XYZ color 33.5734, 34.6655, 6.8411.



This preview shows how white text looks on a background with the XYZ color 33.5734, 34.6655,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

33.5734, 34.6655, 6.8411

Protanopia

31.5442, 34.8785, 7.0772

Deuteranopia

35.2863, 34.5727, 6.9112



Tritanopia

39.6793, 34.7932, 36.0769

Trichromacy



Original Color

33.5734, 34.6655, 6.8411

Protanomaly

32.1383, 34.6742, 7.0064

Deuteranomaly

34.6372, 34.4800, 6.8372

Tritanomaly

36.4930, 34.4229, 20.3437

Monochromacy



Original Color

33.5734, 34.6655, 6.8411

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.4166, 32.4965, 19.9986

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5734, 34.6655, 6.8411 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(191, 155, 39)` looks like.

```
.text, #text, p{  
    color:rgb(191, 155, 39)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(191, 155, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 155, 39) }
```

Border

The CSS property to change the border of an element to XYZ 33.5734, 34.6655, 6.8411 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(191, 155, 39) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(191, 155, 39) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(191, 155, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 155, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 155, 39);  
box-shadow:4px 4px 4px 4px rgb(191, 155,  
39) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5734, 34.6655, 6.8411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 155, 39) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(191,  
155, 39) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor